Sachse Amateur Radio Association

SARA SKYWAVES

W5SRA

JANUARY 2019

MY CORNER OF THE SHACK

by John Smyder, W5JWS

Well, the holidays are behind us and I hope that you all had a wonderful and restful time. I also hope you got some great ham toys, I know I did and can't wait to use them over the coming months.

We have finalized plans for Winter Field Day (January 25 & 26 at North Pointe Church) and we are partnering with Sachse CERT again this year. This is a great opportunity to show our community how Ham Radio can serve our community. Some of our members are members of Sachse CERT as well as the Sachse RACES/ARES organization (RACES/ARES members assist with the monthly siren tests in town).

I was able to meet with the leaders of Sachse CERT, Sachse RACES/ARES, and Chief Wade at the Fire Department to discuss how SARA could become a 'force multiplier' using our communications experience to augment these other community resources. We will be meeting monthly with the Chief to ensure that this initial momentum is maintained and we can develop a cogent plan incorporating the three organizations, SARA, RACES/ARES, and CERT, in to Sachse's emergency response plans.

Pres. John Smyder presenting the Net Participation award to Bob Wilhite at the Mesquite club meeting who had 48 check-ins in 2019

One tool we, as ham radio operators, have to help with communication continuity is WinLink. WinLink is "...a worldwide radio email service that uses radio pathways where the internet is not present, and is capable of operating completely without the internet--automatically--using smart-network radio relays." and is something I have started working with. In fact, Collin County ARES has started a "WinLink Wednesday" that allows for regular exercising of your equipment and WinLink software. WinLink operates on HF, VHF, and UHF and I have learned of a piece of software (SoundModem) that allows me to use the VHF/UHF capabilities of WinLink without having to purchase a separate TNC to operate on those bands. SoundModem works with a SignalLink which many folks use for other

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JOIN US ON THE AIR

SARA Weekly Information Net
When: Weekly on Wednesdays, 8:00pm – 8:30pm
Where: N5LOC (145.250, PL 141.3)

SARA Simplex QSO Net
When: Every 2nd and 4th Tuesdays, 7:30—8:30pm
Where: 146.400 (Simplex)

The Sachse Amateur Radio Association uses the N5LOC repeater in Sachse, TX:

- Frequency: 145.25 MHz
- Shift: -600 kHz
- PL tone: 141.3

... or in person

SARA Eyeball QSO Breakfast
Each Saturday 8-9am (some start arriving at 7:15)
Where: 7320 TX-78, Sachse, TX

SARA Monthly Meeting
When: Every 4th Thursday at 7:30pm
Where: The Sachse Public Library,
3815 Sachse Road Sachse, TX

Continued from page 1

digital modes. So, in the end for me, not having to add a TNC to my go-kit helps keep things streamlined. If you are interested in WinLink Wednesday you can get more information

Another tool we have is AREDN, and I am hoping that we can get a presentation lined up that shows the practical application of AREDN in the field. We have some members who have taken the technical information we've had in past presentations and put it to a very practical application in community support activities such as the Wylie Rodeo. Stop by Winter Field Day and you can witness AREDN in action first-hand.

As mentioned last month we are working on some 'guidelines' for doing a "Coordinated Fox Hunt" and hope to have plans on rolling allowing for folks to participate in the spring.

I really look forward to seeing everyone at our first meeting of 2020 on the 23rd at the Sachse Public Library (7:30pm) where we'll share some final details on Winter Field Day and begin club discussions about getting our own repeater up and on the air this year. I look forward to seeing each of you there as we kick off 2020.

73, W5JWS – John S

Time: 9:00am - 4:00pm
Location: Hella Shrine Center, 2121 Rowlett Rd., Garland, TX 75043

The Garland Hella Hams and the ARRL North Texas Section would like to invite all current and prospective Hams to attend **Mentorfest**! This event is a great way for Hams, especially those recently licensed, to meet and learn about a variety of subjects. Amateur radio operators have a great tradition of helping each other learn about and gain experience in the many facets of the hobby. Mentorfest is designed to build on this tradition by providing a place for Hams of all ages and experience levels to come together, exchange knowledge and make new friends while having fun and enjoying the great hobby of Amateur Radio.

•Here are some of the things you can expect at Mentorfest...
•Formal presentations on a number of topics.
•Local clubs providing information on their activities.
•"Elmers" (ham-speak for mentors) available for informal discussions on just about any topic.
•Tours of emergency communications vehicles.
•Representatives from the ARRL, ARES/RACES, REACT, National Weather Service and others showing how you can get involved.

Amateur License Testing - 1:00p - 4:00p

If you wish to test for a new license, or upgrade your existing license, bring $14 and a photo ID.

UPCOMING EVENTS

Jan. 23 - SARA General Meeting
7:30pm at the Sachse Public Library. John Smyder is going to be presenting updates and options for a SARA Club repeater.

Jan. 26-27 - Winter Field Day
Planning has begun. Come try out a new rig, an old rig, or just come by and get some ideas. This year we will be at North Point Church.

Jan. 26 MARC 2M FM Simplex Contest
The contest helps us all be prepared in a number of ways, get to know one another, allow for friendly competition and try out our emergency preparedness skills.

Apr. 18 Mentor Fest
The Garland Hella Hams and the ARRL North Texas Section would like to invite all current and prospective Hams to attend Mentorfest! 9:00am—4:00pm at the Hella Shrine in Garland.

May 16-17 MS 150

I will need a lot of HAMS and Non-Hams for different communications assignments. For non-hams, I need people to be on the route in event-provided vehicles. Please email j.marple@verizon.net for answers to your questions. It is an awesome event and lots of fun!

June 12-13 - Ham Com
At the Plano Event Center

- One General Admission ticket is good for both days of the event.
- Online registration begins October 1, 2019 and ends May 31, 2020 at 11:59 PM.
- Online general admission tickets for adults are $8. Ticket prices are $10 if purchased at the event on the days of the event.

2020 Collin County Skywarn and Hazardous Weather Conference

Agenda

(Subject to change)

8:00 — 8:30	Sign in/Exhibits
8:30 — 8:35	Welcome
8:35 — 9:45	Basic Spotter Talk Part 1
9:45 — 10:00	**Break**
10:00 — 11:00	Basic Spotter Talk Part 2
11:00 — 11:30	Media—WFAA (Channel 8)
11:30 — 11:45	Collin County EM/Collin ARES
11:45 — 12:50	**Lunch on your own**
1:00 — 2:00	NWS—Dallas Tornado 10/20/19
2:00 — 3:00	Mike Wolfinbarger —"RadarScope. Tips and Tricks"
3:00 — 3:15	**Break**
3:15 — 4:30	Skip Talbot—"Safely Spotting Tornadic Supercells"

Saturday
January 18, 2020

Collin College
Central Park Campus
2200 W. University Drive
McKinney, TX 75071

33°13'19.8"N 96°38'32.0"W
https://goo.gl/maps/4J2m7iW62Nv

Pre-Registration is offered:
https://tinyurl.com/Collin-SKYWARN-2020

For information contact
Collin.TX.ARES@gmail.com

Where are we?
www.collinares.net
Twitter: @CollinARES
Facebook/CollinARES

Bios:

Jennifer Dunn, WCM—NWS/FWD - The Warning Coordination Meteorologist at the National Weather Service office in Fort Worth. Her career in the NWS spans over 16 years, and she has been with the NWS Fort Worth office for over 14 of those years. In her position as the Warning Coordination Meteorologist, she is responsible for overseeing and maintaining the office's outreach, education, and partner/relationship building programs. A native of Texas, she enjoys the variety of weather patterns North and Central Texas offer.

Jason Dunn, Lead Meteorologist—NWS/FWD - Having been fascinated with weather since kindergarten, it was Jason's lifelong goal to become a meteorologist. He spends much of his time outside work scouring Wikipedia, chasing around two young kiddos, swimming, biking, and watching the New Orleans Saints. Jason is a graduate of the University of South Alabama with a degree in Meteorology. He has an interest in Radar operations, severe and tropical weather. He has been with National Weather Service Forth Worth for 17 years.

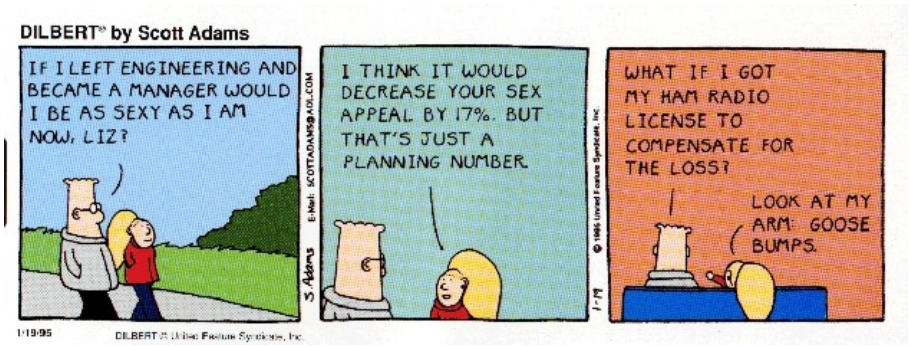
Mike Wolfinbarger, VP for Mobile Development at DTN - He leads the team that develops the award-winning RadarScope and Weather Radio apps and other mobile products. Mike previously served as Director of Technology for the Oklahoma Climatological Survey. He led the team that created the software infrastructure for the Oklahoma Mesonet and the OK-FIRST program. He oversaw technology transfer efforts which led to the use of OCS software by WDT, Mesonet Québec, NOAA, USDOT, and the New York State Mesonet. In 2008, Mike co-founded Base Velocity to develop and commercialize RadarScope, the first mobile app to display native radar data. Base Velocity was acquired by Weather Decision Technologies in 2012. In 2018, WDT was acquired by DTN. At DTN Mike and his team continue to focus on creating innovative tools for visualizing and interacting with weather data.

Skip Talbot, WX9KIP - Skip has had a fascination with severe weather since he was 7 years old when a F5 tornado came within 1 mile of his childhood home in Plainfield IL. He has been a chaser and trained storm spotter since 2003 and has documented over 118 tornados. He is well known within the severe storms community for his work in researching, documenting, and teaching others about spotter safety following the May 31, 2013 El Reno tragedy. He continues to study other incidents and share what he learns.

Updated: 1/13/2020 6:30PM

Area SKYWARN Trainings

DATE	COUNTY	CITY	LOCATION	TIME
Saturday Jan 18	Collin	McKinney	McKinney Central Park Campus - Conference Center	8:30 AM - 4:30 PM
Thursday Feb 13	Hunt	Greenville	F. Warren Civic Center	6:00-8:00 PM
Saturday Feb 15	Dallas	Garland	Granville Arts Center	8:00 AM - 3:30 PM
Tuesday Feb 18	Johnson	Keene	Perecho Hall-Southwestern Adventist University	6:00-8:00 PM
Saturday Feb 22	Denton	Denton	Texas Womans University-MCL 101	8:00 AM - 12 Noon
Thursday Mar 5	Ellis	Waxahachie	TBD	6:30-8:30 PM
Saturday Mar 14	Rockwall	Rockwall	Rockwall County Library	9:00 AM - 11:00 AM
Saturday Mar 21	Tarrant	Fort Worth	TCU Brown Lupton Univ Union Ballroom	8:00 AM - 12 Noon


DILBERT® by Scott Adams
IF I LEFT ENGINEERING AND BECAME A MANAGER WOULD I BE AS SEXY AS I AM NOW, LIZ?
I THINK IT WOULD DECREASE YOUR SEX APPEAL BY 17%. BUT THAT'S JUST A PLANNING NUMBER.
WHAT IF I GOT MY HAM RADIO LICENSE TO COMPENSATE FOR THE LOSS?
LOOK AT MY ARM: GOOSE BUMPS.

SARA Club Officers for 2019-2020

The standing 2018-2019 club officers were re-elected for the coming year with the exception of Jeff Lock, N5LOC and John Abbott, KF5FWK who have stepped down this year.

President ..... John Smyder, W5JWS
Vice President..... Greg Kent, KK6AXF
Secretary..... Johnnie Young, KG5CQO
Treasurer..... David Mandala, KG5WFS
Public Information Officer ..... John Briggs, KC6TVF
Director at Large ..... Mark Mantooth, KI5CYA
Newsletter Editor..... Steve Harbin, W5SOT

WHAT ARE YOU WORKING ON?

I know that many of us have projects going on that other in the club would love to hear about. Consider writing it up for the newsletter. …

Here are just a few that I know about:

- Greg, John Briggs and John Smyder are working on AREDN projects.
- Lonnie was going to review a new nanoVNA $50 analyzer.
- Steve Harbin built a motorized HF antenna lift and may be going into production.
- Mike McCafferty is working on a stealth antenna/weather station and a stealth fox-hunting setup.
- Several people are working on antenna projects, field day setups, and other miscellaneous endeavors.
- Several people have been involved in fox-hunting activities.

I would also like to encourage everyone to write a short article about how you became a Ham. Its interesting to know why people become interested and involved with the hobby.

Send your submissions to newslettereditor@sachseradio.org by the third Thursday of the month to be included in the next issue of

SACHSE SKYWAVES !

Hi Everyone,

My name is Johnnie Young, KG5CQO, a new Assistant Section Manager for the North Texas, West Gulf Division. My main focus will be on YL's or Young Lady Ham Operators. Young Lady being a relative term for all ladies, especially since I am in my 70's.

I want to encourage all ladies to become Amateur Radio Operators, no matter your age. I became a Ham at the age of 65, so it is never too late to explore a new hobby. I have an Extra Class License and have become more, and more involved in various aspects of Ham Radio for my short 6 years since becoming a Ham. I am a member of two local clubs where I help with testing, with club functions, and community events. I have taken the Sky warn Storm Spotter Training each year and am a member of CCARES.

I love participating in club nets, especially when it is my turn to be net control. I help with Ham Com, Mentor Fest, and I really like being part of the balloon recover teams for the Plano Balloon Festival. As you can see there are many ways to practice your radio skills, all of them not requiring anything that a lady is not capable of.

I look forward to working with anyone who is interested in learning about this radio hobby. If I can be of help, please contact me at KG5CQO@arrl.net.

Johnnie

KG5CQO

Link to YLRL Membership Page: https://ylrl.org/wp/join-ylrl/

Do you shop at Amazon?

amazon smile prime

Supporting: Sachse Amateur Radio Association

Support the Sachse Amateur Radio Association!

What is AmazonSmile?

AmazonSmile is a simple and automatic way for you to support your favorite charitable organization every time you shop, at no cost to you. When you shop at smile.amazon.com, you'll find the exact same low prices, vast selection and convenient shopping experience as Amazon.com, with the added bonus that Amazon will donate a portion of the purchase price to your favorite charitable organization. You can choose from over one million organizations to support.

How do I shop at AmazonSmile?

To support SARA, simply go to smile.amazon.com from the web browser on your computer or mobile device and setup the organization that you want to support. You may also want to add a bookmark to smile.amazon.com to make it even easier to return and start your shopping at AmazonSmile.

You can purchase your general admission tickets online. You can also purchase general admission tickets at the Ham-Com Box Office on the day of the event. Ham-Com 2020 is June 12th and 13th.

IMPORTANT INFORMATION

- **One General Admission ticket is good for both days of the event.**
- Online registration begins October 1, 2019 and ends May 31, 2020 at 11:59 PM.
- Online general admission tickets for adults are $8. Ticket prices are $10 if purchased at the event on the days of the event.
- Online ticket purchases are NOT mailed! Purchases are to be picked up at the Ham-Com Registration Desk, located in the lobby of the Plano Event Center.
- Children 12 and under get in FREE!
- Scouts in full uniform get in FREE!

Online tickets can be securely paid using your credit card (Visa, MC, AmEx, Disc) through PayPal. You do not need a PayPal account!

https://sites.google.com/hamcom.org/ham-com/registration/general-admission

Rediscovering My Home Town Radio Shack!

By Lonnie, KG5WHQ

I was hill-topping in NW Arkansas this weekend. As I was raising my antenna I found that I had at some point let my soldering iron holder lean into my 64:1 transformer's SO-239.

I was sure I had a backup for every part. Turns out though in the interest in conserving weight and space I left a bag behind with the least likely to fail parts… In Texas.

Out of cell range, I trucked downhill a tad and got on the interwebs at a stellar 300k cell connection. Google was my foil, Siri was my enemy, but Yelp (yeah, Yelp, right?)found a surviving Radio Shack in Fayetteville! More than that it was ***my*** Radio Shack where I bought my killer irons that still work today.

But how is it there?

A little history for the Amazon-only youngsters: Way back in last century there was an electronics store called Radio Shack that spanned the world. It was a Tandy company and carried a dominating range of low- and mid-range electronics from Tandy's Archer, Realistic, etc. They were often paired with a Tandy Leather.

Franchisees were expected to open with a store package that had one of every part for which a band, musician, or radio operator could ask. And like NAPA they had a wall of catalog parts they could get.

Tandy dueled with Heathkit and entered the office and home computer contest of the 80s with the TRS-80. That turned into the Coco and finally died the death of the PC clone wars.. Tandy tried to become a cell phone store, letting their core business suffer, and store-by-store died as Best Buy swept up non-carrier competition. Many Radio Shack stores were sold to Sprint for their formidable mailing list and promptly closed. After two bankruptcies, General Wireless acquired the Radio Shack assets and has reopened some 100 corporate stores. Radio Shack additionally does business with Hobby Town locations.

Now, here in this century, there is one independent left in NWA!

Vaughn Electronics had opened in 1971 and was doing just fine as they took care of their business better than Tandy had done. This store has a modern Raspberry Pi section, Arduino section, Maker section, and I found a small pile of ARRL manuals. It's store manager is knowledgable, approachable, and shared with me about building her 12V power supply as she for the first time inhaled the Magic Smoke. Then she built her new one.

I asked her about a SO-239 and she put her finger on one. Not even looking it up on the modern computer catalog.

She asked me how I killed a SO-239. My answer was descriptive and well thought out as I knew I was going to get asked this very question.

"Magic Smoke."

In case you need the info:

Radioshack/Vaugh Electronics

1702 N. College Avenue

Fayetteville, AR 72703

info.rsdealer@gmail.com

Is your Radio Shack still alive? Send a comment to Steve, the editor!

AN OPEN LETTER TO ALL DIGITAL MODE STAKEHOLDERS

I have been in Washington with other concerned hams lobbying the FCC in defense of amateur digital modes and Winlink amateur radio email against the attacks of Dr. Ted Rappaport N9NB of NYU and his team. They are relentless in their big-bucks campaign to change Part 97 digital communications rules, to cripple many digital modes, their future development, and to remove radio email from the amateur bands. It's truly sad.

Search for the latest from them on the FCC.gov/ecfs (electronic comment filing system) under the 16-239 proceeding (the Notice of Proposed Rulemaking to remove the ancient 300 baud symbol rate from the rules). Here is a direct link: https://ecfsapi.fcc.gov/file/1101131173138/DA-19-1130A1.pdf for the FCC Public Notice and request for comment. Their full petition is at https://ecfsapi.fcc.gov/file/10242392005642/NYU%20Wireless%20Petition%20...

The ARRL has published a news article about it here: http://www.arrl.org/news/fcc-asked-to-clarify-amateur-rules-governing-en...

NYU (Rappaport, et al) seeks a declaratory ruling that section 97.113(a)(4) of the Commission's rules prohibits the transmission on amateur radio frequencies of "effectively encrypted or encoded messages, including messages that cannot be readily decoded over- the-air for true meaning." If enacted, it will have immediate and far reaching effects on amateur radio's digital future (and all future development is in the digital realm, that's obvious). Comments are now open. I urge you and any stakeholder in a digital mode or amateur radio development to read it and comment. Please forward this information to any stakeholder or group you might think of.

\The facts are these: There is no such thing as 'effective encryption' and dynamic compression is not encryption, yet the opposition ignores this and continues to spread false information otherwise. State-of-the-art data compression is employed in many digital signals to optimize spectral efficiency. Further, Winlink messages sent over the air can be more conveniently read by any licensed amateur for the purpose of self-policing using our online 'Message Viewer' linked from the main page of winlink.org. There is no *'intent to obscure meaning'*. Messages can be easily read for full meaning both on-air and on-line. Making all this moot is this: Over-the-air monitoring of Winlink PACTOR 1-3 signals by third party eavesdroppers have been demonstrated and documented using free software available for download from: https://p4dragon.com/en/Downloads.html
See the video at http://www.philsherrod.com/Winlink/Winlink_monitoring2.mp4 for proof. On-air copying of other modes only requires adequate software that can be developed using publicly documented technical details of the mode in question, as was done for the PACTOR software mentioned above.

The petition should be dismissed because there is no need for the ruling demonstrated by the petitioners. The current rules are adequate to enable self-policing of digital modes on the amateur bands.

73, Lor Kutchins, W3QA
President,\ Amateur Radio Safety Foundation, Inc.
Winlink Development Team

NEWSLETTER ARTICLES

Working on a project that you think the club members would be interested in? Read a good HAM related article somewhere? Send articles to Steve, W5SOT, at: newslettereditor@sachseradio.org

ACTIVITIES COMMITTEE

SARA vice-president Greg Kent, KK6AXF heads up the SARA Activities Committee. Anyone who is willing to help or has ideas may contact Greg, KK6AXF, at kk6axf@gmail.com.

EDUCATION TOPICS

SARA education director Leroy Michalow, K5AXP, can use your assistance. If you can suggest or provide an educational program for the weekly NET or for the monthly club meeting please contact Leroy at: kf5dat@gmail.com.

SARA BRANDED GEAR

We now have two suppliers for SARA gear. Both of these companies have our logo on file.

HamThreads will do hats, shirts, jackets and vests. They can do single items. HamThreads is in Saginaw.
https://www.hamthreads.com

Cactus Awards is local to Wylie and they specialize in Awards, Trophies, Plaques, Engraving and Embroidery as well as Tee-Shirt printing. Minimum order for some clothing is 3.
http://www.cactusawards.com

SARA NAME BADGES

If you need a SARA name badge please go to:
https://namebadge.com/sachse

WINLINK - Part 1

By Army Curtis, AE5P, Sec/Treasurer, Nacogdoches Amateur Radio Club

For the past several months, we have been discussing repeaters, with the emphasis on FM voice. Let's shift a little and talk about one form of digital repeater. NARC has a WinPacket repeater, located on the top of the Fredonia Hotel. Actually, it is more than just a simple repeater; it is a Winlink iGate.

So, what is Winlink and what is a Winlink iGate repeater?

Let's back up a little and review how Winlink came to be. Back in the early days of computers, before the internet and before Windows and Mac, computers were much simpler than what we have today. A popular operating system back then was CP/M (Control Program/Monitor), originally developed by Digital Research, Inc. for the Intel 8080/8085 based computers of the time (mid 1070's). Wanting to put these new contraptions to use, a number of folks used them to provide computerized bulletin board systems (BBS), which allowed users to call the system via a telephone modem to leave and retrieve messages. Modems in those days operated at the blinding speed of 300 baud, which allowed you to go have lunch or dinner while you waited for your messages to be retrieved. Without the internet, if you wanted a BBS you wrote the software for it yourself. I remember doing just that in the late 70's, writing the program in a programming language called simply BASIC. The system wasn't fast or fancy, but it worked and was the forerunner to systems like Facebook that are so popular today.

Many of these early BBS systems were developed and managed by Hams. New and faster computers became available, as did faster modems with 1200, 2400 and 9600 baud popular offerings. Then the internet was developed and the entire world changed. With the internet came the ubiquitous email, web sites, and special interest groups (SIGs). A popular provider of the time was CompuServe which some of our readers may remember.

While the internet and many of the systems associated with it were being developed and improved by commercial interests, Hams were also busy coming up with ways to use Amateur Radio to provide somewhat related services. All of this was brand new back then, and many very basic questions were trying to be answered. A leader in the Ham Radio world at that time was TAPR (Tucson Amateur Packet Radio), founded in 1981 by a group of Hams interested in developing a Terminal Node Controller (TNC) for Amateur Radio use. Their work was the basis for defining a protocol for sending and receiving data in a digital format that has been adopted by Hams and commercial interests alike. TAPR is still very active today in pushing the state of the art in digital techniques and systems.

Hams, being the curious experimenters that we are, wanted to use their radios to communicate rather than the telephone. In the early 80's, Hams were using radio to communicate with their BBS systems, much as they had done in the 70's using the telephone network. This was done primarily on 2 meters using Packet Radio. The FCC put some new rules into effect that limited the data speeds that could be used on the Ham bands, with 1200 baud becoming the defacto standard speed for 2 meters. In the 80's and 90's, some extensive Amateur Radio Packet Radio networks were developed and actively used by thousands of Hams. When the internet became widely available in the 90's, Packet Radio systems began to disappear much as phone patches did with the advent of cell phones.

But the pioneering work done largely by Hams in the 70's and 80's in developing and defining packet radio standards laid the groundwork for communicating on the internet. Again, as happened in the 80's with Hams developing methods to use their radios instead of the telephone network, Hams began developing methods to use their radios instead of the internet. The packet radio networks did an excellent job, but were very slow compared to the speeds available with the internet. But the internet was not available everywhere, and internet outages were very common in the beginning. Indeed, it was many years before more than a single fiber optics cable was available to users here in Nacogdoches, and it seemed like every backhoe between Nacogdoches and Houston was very adept at finding and breaking that cable.

Businesses and public service agencies were becoming very dependent on the internet, and has been the case for many, many years, when communications fail, people turn to the Hams for help.

We will continue this discussion next month. Stay tuned.

QSO Breakfast Pictures

December 21, 2019

December 28, 2019

January 4, 2020

January 11, 2020

Sachse Amateur Radio Association Weekly Repeater Net Script

Version: 5.0 - October, 10 2019

Good evening and welcome to the "*Ham Radio in Sachse*" Weekly Information Net. My name is (*name, call sign*), and I will be your net control this evening. (***pause)*** This net is heard every Wednesday evening at 8:00pm on the N5LOC repeater, which is on a frequency of 145.250 using a PL tone of 141.3. All licensed amateurs are invited and encouraged to participate, whether you are a club member or guest. (***pause)***. This is a Directed Net. Please do not transmit unless directed to do so by Net Control. If at any time, you have an emergency to report, break in by saying "Priority" or "Emergency" followed by your call sign and the net will stand by. An emergency is defined as the imminent threat to life or property. **Is there any emergency, priority or time sensitive traffic at this time? *Pause***

Check-Ins:
Before we begin, we will be taking check-ins, three at a time. If you would like to check into this net, please give your call sign phonically, your name and repeat your Call Sign alphanumerically slowly, so Net Control can write it down. (*write down and read back call signs of check ins*). (Remember: Echo Link users (if any) need a few extra seconds to respond).

Club Announcements: ***Now is a good time for Net Control to ID.***
Our first topic will be announcements from club officers. Any club officer on the net with an announcement, please give your call sign now.

Member & General Comments: ***Now is a good time for Net Control to ID.***
Our next topic is member & general comments. Any member of the Sachse Amateur Radio Association, or anyone else on this net, who would like to make a comment, please give your call sign now.

Tech Talk: ***Now is a good time for Net Control to ID.***
Our next topic is Tech Talk. Ask any questions you may have of a technical nature regarding amateur radio or computers. Feel free to share any information or share comments that you find to be valuable with the group. If anyone has an item for Tech Talk, please give your call sign now.

Swap Shop: ***Now is a good time for Net Control to ID.***
Our next topic is Swap Shop. Anyone wishing to buy, sell, trade, or give away items related to ham radio or computers is invited to do so. Please do not haggle over price on the air. If anyone has an item for Swap Shop, please give your call sign now.

Education: ***Now is a good time for Net Control to ID.***
Our next topic is Education. Anyone who has an education presentation they would like to make or want to suggest an item for a future presentation, please give your call sign now.

How Was Your HAM Week: ***Now is a good time for Net Control to ID.***
Now for the fun part of our hobby, which our next topic is called "***How Was Your HAM Week***". This exercise allows any station to share anything related with HAM Radio, since our last Net Control or Monthly Meeting. Example topics can be "DX'ing Observations", "Experiences", "Challenges", "Lesson-Learn with your equipment", or even "Victories on a project". The goal of sharing is to forge relationships, as we are currently enjoying the hobby. Whether you are a member or guest, this exercise is voluntary. No station is under obligation to share anything. As your Net Control, I will start by briefly sharing my "Ham Week". Once done, I will then ask if any station would like to share their "Ham Week". Simply give your Call Sign and Net Control will recognize the station and give you the platform to share.
(*Net Control – provide positive feedback on their topic.)*

Late Check-Ins: ***Now is a good time for Net Control to ID.***
Next Net Control would like to take late check-ins. If there are any late check-ins, whether RF or Echo Link, please give your call sign and name slowly and clearly. (*write down and read back each call sign*).

Last Call:
Before we conclude the net, is there any other Stations wishing to report into the Net and/or have any comments?

Wrap-Up: ***Now is a good time for Net Control to ID.***
This concludes the "Ham Radio in Sachse" Weekly Information Net. If you would like more information about the Sachse Amateur Radio Association, please visit our web site at www.sachseradio.org. This is (*call sign*) and we now return the N5LOC repeater to its normal use.

Sachse Amateur Radio Association Simplex Net Script

Version: 5.0 - October 10, 2019

Good evening and welcome to the "*Ham Radio in Sachse*" Simplex Net. My name is (*name, call sign*), and I will be your net control this evening. This net can be heard every 2nd and 4th Tuesday evening at 7:30 pm on a frequency of 146.40 Simplex. Therefore, there is no need for an offset or PL tone. All licensed amateurs are invited and encouraged to participate, whether you are a club member or a guest. This is a Directed Net. Please do not transmit unless directed to do so by Net Control. At the end of check-ins, I will ask for relays of check-ins I acknowledged, that you did not hear, and check-ins that I did not hear. Near the end of the program, I will ask for a signal report. If at any time, you have an emergency to report, break in by saying "Priority" or "Emergency" followed by your call sign and the net will stand by. An emergency is defined as the imminent threat to life or property. **Is there any emergency, priority or time sensitive traffic at this time?** ***Pause - hearing none…***

Check-Ins:
We will start by taking check-ins, three at a time. If you would like to check into this net, please give your call sign phonically, then your name, and then your call sign alphanumerically, so Net Control can write them down. Please come now in groups of 3.
(*write down and read back call signs of check ins*).
When there are no more check-ins, go through the list and ask if anyone heard a check-in that you did not acknowledge or if there is a check-in that they did not hear.
You may have to pick a relay person for the night.
If you had to pick a relay person or persons, then remember to stop after each conversation and have the relay person pass that information on.

Club Announcements: ***Now is a good time for Net Control to ID.***
Our first topic will be announcements from club officers. Any club officer on the net with an announcement, please give your call sign now.

Member & General Comments: ***Now is a good time for Net Control to ID*.**
Our next topic is member & general comments. Any member of the Sachse Amateur Radio Association, or anyone else on this net, who would like to make a comment, please give your call sign now.

Tech Talk: ***Now is a good time for Net Control to ID*.**
Our next topic is Tech Talk. Ask any questions you may have of a technical nature regarding amateur radio or computers. Feel free to share any information or share comments that you find to be valuable with the group. If anyone has an item for Tech Talk, please give your call sign now.

Education: ***Now is a good time for Net Control to ID*.**
Our next topic is Education. Anyone who has an education presentation they would like to make or want to suggest an item for a future presentation, please give your call sign now.

Signal reports: ***Now is a good time for Net Control to ID*.**
Next, we will discuss signal reports. How does net control and/or the check-ins come across. I will go down the list of check-ins so everyone can give a response. Please use the plain language radio checks provided on the Sachse Radio web page.
(For example; net control was loud and clear.) Also please include your power level at the end of you signal report.
(You start.)

Late Check-Ins: ***Now is a good time for Net Control to ID*.**
Next Net Control would like to take late check-ins. If there are any late check-ins, please give your call sign and name slowly and clearly.
(*write down and read back each call sign*).
Remember to ask if there are any check-ins you did not acknowledge or check-ins that others did not hear.

Last Call:
Before we conclude the net, are there any Stations wishing to report into the Net and/or have any comments?

Wrap-Up: ***Now is a good time for Net Control to ID.*** This concludes the "Ham Radio in Sachse" Simplex Net. If you would like more information about the Sachse Amateur Radio Association, please visit our web site at www.sachseradio.org. This is XXXXXX and we will now return this frequency to its normal use

Do you need to join or renew your membership in the Sachse Amateur Radio Association?
Print this page, fill it out, and bring the form to the next club meeting.
Sachse Amateur Radio Association Membership Application

Sachse Amateur Radio Association Sachse, Texas 75048-3696 www.sachseradio.org kf5nbo@gmail.com

Type of Application: New Member ☐ **or Renewal** ☐ **Date:**_____

Your Call Sign:_____ **Your License Class:**_____

Your Name:_____ **Spouses Name:**_____

Address:_____

City:_____ **State:**_____ **Zip:**_____

Home Phone:_____ **Work Phone:**_____

Cell Phone:_____ **Email:**_____

Membership Types: Please check only one option below:

☐ **Regular:** A regular member shall be any FCC licensed amateur radio operator who does not fall under the special provision of an associate or student membership. Regular member dues are $25.00 per year unless prorated (see below).

☐ **Family:** A family membership shall be any FCC licensed amateur radio operators and non-licensed family members interested in amateur radio who live in the immediate household. Family member dues are $30.00 per year unless prorated (see below).

☐ **Associate:** An associate member shall be any person maintaining membership to support the association but who does not hold a license as a radio amateur. Associate member dues are $10.00 per year and are not prorated.

☐ **Student:** A student member shall be any FCC licensed amateur radio operator who is currently enrolled as a full time student, is 18 years of age or younger, and is not otherwise eligible to be included in a family membership. Student member dues are $10.00 per year and are not prorated.

If selecting Family membership, please list the family members covered by this application.

Name:_____ **Email:**_____ **Call Sign (if any):**_____ **Lic Class:**_____

Name:_____ **Email:**_____ **Call Sign (if any):**_____ **Lic Class:**_____

Membership Dues: (Please check only one)

Dues are initially paid upon joining the association. Renewal dues are paid no later than the September meeting each year. A new application must be submitted each year as well. Dues are reduced (prorated) for Regular and Family members (only) who join or renew their membership after Dec 31st:

☐ Joining Sep 1 thru Dec 31, pay $25.00 for Regular dues, or $30.00 for Family dues.
☐ Joining Jan 1 thru Mar 31, pay $18.75 for Regular dues, or $22.50 for Family dues.
☐ Joining Apr 1 thru Jun 30, pay $12.50 for Regular dues, or $15.00 for Family dues.
☐ Joining Jul 1 thru Aug 31, pay $6.25 for Regular dues, or $7.50 for Family dues.

TOTAL DUE: $_____

Are you a current member of the ARRL? ☐ YES or ☐ NO (please chose one).

By submitting this application, either by hand or any electronic means, you hereby agree to abide by the rules and regulations of the Sachse Amateur Radio Association.

Signature:_____